ABSTRACT:

The invention proposes an encoding and a decoding method to be used for transmitting and storing description element(s) of an XML-like document which is an instance of an XML-like schema.

It consists in:

5   -   using at least one table derived from said schema, said table containing identification information for solely identifying each description element in a hierarchical level, and structural information for retrieving any child description element from its parent description element,

-              scanning a hierarchical memory representation of the instance from parent
10   description elements to child description elements until reaching the description element to be encoded, and retrieving the identification information of each scanned description element,

-              encoding said description element to be encoded as a fragment comprising said content and a sequence of the retrieved identification information.

15   Applications: XML; XML-schema; MPEG-7

Fig. 1